



# INFORMATION DISCLOSURE CITATION

PTO-1449

ATTORNEY'S DKT NO.  
032005-120APPLICATION NO.  
09/960,389APPLICANT  
Mark Ashby, et al.FILING DATE  
September 24, 2001GROUP  
2814

## U.S. PATENT DOCUMENTS

| EXAMINER'S INITIALS | PATENT NO. | DATE      | NAME                 | CLASS | SUBCLASS | FILING DATE |
|---------------------|------------|-----------|----------------------|-------|----------|-------------|
| <i>WJ</i>           | 1,578,517  | Mar. 1926 | Hein                 |       |          |             |
|                     | 2,086,580  | Jul. 1937 | Shirley              |       |          |             |
|                     | 2,680,442  | Jun. 1954 | Linzmayr             |       |          |             |
|                     | 2,761,446  | Sep. 1956 | Reed                 |       |          |             |
|                     | 2,814,294  | Nov. 1957 | Figge                |       |          |             |
|                     | 4,000,741  | Jan. 1977 | Binard, et al.       |       |          |             |
|                     | 4,323,072  | Apr. 1982 | Rosenbluth, et al.   |       |          |             |
|                     | 4,340,066  | Jul. 1982 | Shah                 |       |          |             |
|                     | 4,390,018  | Jun. 1983 | Zulowski             |       |          |             |
|                     | 4,645,488  | Feb. 1987 | Matukas              |       |          |             |
|                     | 4,744,364  | May 1988  | Kensey               |       |          |             |
|                     | 4,790,819  | Dec. 1988 | Li, et al.           |       |          |             |
|                     | 4,852,568  | Aug. 1989 | Kensey               |       |          |             |
|                     | 4,890,612  | Jan. 1990 | Kensey               |       |          |             |
|                     | 4,900,303  | Feb. 1990 | Lemslson             |       |          |             |
|                     | 4,936,835  | Jun. 1990 | Haaga                |       |          |             |
|                     | 4,950,234  | Aug. 1990 | Fujioka, et al.      |       |          |             |
|                     | 5,021,059  | Jun. 1991 | Kensey, et al.       |       |          |             |
|                     | 5,053,046  | Oct. 1991 | Janese               |       |          |             |
|                     | 5,061,274  | Oct. 1991 | Kensey               |       |          |             |
|                     | 5,080,655  | Jan. 1992 | Haaga                |       |          |             |
|                     | 5,108,421  | Apr. 1992 | Fowler               |       |          |             |
|                     | 5,163,904  | Nov. 1992 | Lampropoulos, et al. |       |          |             |
|                     | 5,167,624  | Dec. 1992 | Butler, et al.       |       |          |             |
|                     | 5,192,300  | Mar. 1993 | Fowler               |       |          |             |
|                     | 5,192,301  | Mar. 1993 | Kamiya, et al.       |       |          |             |
|                     | 5,195,988  | Mar. 1993 | Haaga                |       |          |             |
|                     | 5,220,926  | Jun. 1993 | Jones                |       |          |             |
|                     | 5,221,259  | Jun. 1993 | Weldon, et al.       |       |          |             |
|                     | 5,275,616  | Jan. 1994 | Fowler               |       |          |             |

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|------------------------|------------|-----------|------------------|-------|----------|-------------|
| <i>ms</i>              | 5,325,857  | Jul. 1994 | Nabai, et al.    |       |          |             |
|                        | 5,334,216  | Aug. 1994 | Vidal, et al.    |       |          |             |
|                        | 5,383,899  | Jan. 1995 | Hammerslag       |       |          |             |
|                        | 5,388,588  | Feb. 1995 | Nabai, et al.    |       |          |             |
|                        | 5,391,183  | Feb. 1995 | Janzen, et al.   |       |          |             |
|                        | 5,419,765  | May 1995  | Weldon, et al.   |       |          |             |
|                        | 5,467,780  | Nov. 1995 | Nabai, et al.    |       |          |             |
|                        | 5,478,352  | Dec. 1995 | Fowler           |       |          |             |
|                        | 5,479,936  | Jan. 1996 | Nabai, et al.    |       |          |             |
|                        | 5,486,195  | Jan. 1996 | Myers, et al.    |       |          |             |
|                        | 5,522,850  | Jun. 1996 | Yomtov, et al.   |       |          |             |
|                        | 5,540,715  | Jul. 1996 | Katsaros, et al. |       |          |             |
|                        | 5,591,205  | Jan. 1997 | Fowler           |       |          |             |
|                        | 5,601,602  | Feb. 1998 | Fowler           |       |          |             |
|                        | 5,649,547  | Jul. 1997 | Ritchart, et al. |       |          |             |
|                        | 5,681,279  | Oct. 1997 | Rober, et al.    |       |          |             |
|                        | 5,716,375  | Feb. 1998 | Fowler           |       |          |             |
|                        | 5,725,498  | Mar. 1998 | Janzen, et al.   |       |          |             |
|                        | 5,769,086  | Jun. 1998 | Ritchart, et al. |       |          |             |
|                        | 5,775,333  | Jul. 1998 | Burbank, et al.  |       |          |             |
|                        | 5,902,310  | May. 1999 | Foerster, et al. |       |          |             |
|                        |            |           |                  |       |          |             |
|                        |            |           |                  |       |          |             |
|                        |            |           |                  |       |          |             |

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| <b>FOREIGN PATENT DOCUMENTS</b>                            |                                   |                               |

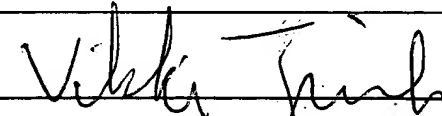
| EXAMINER'S INITIALS   | PATENT NO.   | DATE      | NAME    | CLASS | SUBCLASS | FILING DATE |
|---|--|-----------|---------|-------|----------|-------------|
| WZ  | 0 032 826  | Jul. 1981 | EPO     |       |          |             |
| ?   | 1 569 660  | Jun. 1980 | England |       |          |             |
|   | 2 641 692  | Jul. 1990 | France  |       |          |             |
|   | 0 476 178  | Mar. 1992 | EPO     |       |          |             |
|   | 0 482 350  | Apr. 1992 | EPO     |       |          |             |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b> |  |           |         |       |          |             |
| ?   | Vinant Chuang, M.D., et al., "Sheath Needle for Liver Biopsy in High-Risk patients," <i>Technical Developments and Instrumentation</i> , Radiology, Vol. 166, (1988): pg. 261 - 262.   |           |         |       |          |             |
|   | Tony P. Smith, et al., "Percutaneous Transhepatic Liver Biopsy with Tract Embolization," Radiology, Vol. 198 (1996): pgs. 769 - 774.   |           |         |       |          |             |
| ?   | S.A. Riley, et al., "Percutaneous Liver Biopsy With Plugging of Needle Tract: A Safe Method For Use In Patients With Impaired Coagulation," The Lancet (August 1964)   |           |         |       |          |             |
|   | Sigmund Silber, M.D., "Rapid Hemostasis of Arterial Puncture Sites with Collagen in Patients Undergoing Diagnostic and Interventional Cardiac Catheterization," Clinical Cardiology, Vol. 20, (December 1997): pgs. 981 - 992.   |           |         |       |          |             |
|   | Marc Zins, M.D., et al. "US-guided Percutaneous Liver Biopsy with Plugging of the Needle Track: A Prospective Study in 72 High-Risk Patients," Radiology, Vol. 184 (1992) : pgs. 841-843.  |           |         |       |          |             |
|   | David J. Allison, M.D., et al. "Percutaneous Liver Biopsy and Tract Embolization with Steel Coils," Radiology, Vol. 169 (1988) pgs. 261 - 263.   |           |         |       |          |             |
|   | Ferdinand Kiemeneij, M.D., et al., "Improved Anticoagulation Management After Palmaz Schatz Coronary Stent Implantation by Sealing the Arterial Puncture Site With a Vascular Hemostasis Device," Catheterization and Cardiovasclar Diagnosis, Vol. 30 (1993): pgs. 317 - 322. |           |         |       |          |             |
|   | J.P.M. Foran, et al., "Early Mobilization After Percutaneous Cardiac Catheterisation Using Collagen Plug (VasoSeal) Haemostasis," Br. Heart, Vol. 69 (1993) pgs. 424 - 429.  |           |         |       |          |             |

|   |                            |
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| EXAMINER'S INITIALS   | PATENT NO. | DATE | NAME  | CLASS | SUBCLASS | FILING DATE |
|---|------------|------|---|-------|----------|-------------|
|  |            |      | R. Schrader, et al., "Collagen Application for Sealing of Arterial Puncture Sites in Comparison to Pressure Dressing: A Randomized Trial", Catheterization and Cardiovascular Diagnosis (1992): pgs. 298-302.   |       |          |             |
|   |            |      | J.S.R. Gibbs, et al., "Femoral Arterial Hemostasis Using a Collagen Plug After Coronary Artery Stent Implantation," Journal of Interventional Cardiology, Vol. 5, No. 2 (1992): 85 - 88.  |       |          |             |
|   |            |      | William G. Kussmaul III, M.D., et al., "Rapid Arterial Hemostasis and Decreased Access Site Complications After Cardiac Catheterization and Angioplasty: Results of a Randomized Trial of a Novel Hemostatic Device," Journal of the American College of Cardiology, Vol. 25, No. 7 (1995): pgs. 1685 - 1692. |       |          |             |
|   |            |      | Timothy A. Sanborn, M.D., et al. "Multicenter Randomized Trial Comparing a Percutaneous Collagen Hemostasis Device With Conventional Manual Compression After Diagnostic Angiography and Angioplasty," Journal of the American College of Cardiology, Vol. 25, No. 7 (1993): pgs. 1273 - 1279.                |       |          |             |
|   |            |      | Pharmacia & Upjohn Manufacturer Brochure "Gelfoam Sterile Sponge, Sterile Powder, and Sterile Film," (May 1997): pgs. 1 - 34.   |       |          |             |
|   |            |      | Pharmacia & Upjohn Manufacturer Brochure "Gelfoam Sterile Powder," (February 1996).   |       |          |             |
|   |            |      | Pharmacia & Upjohn Manufacturer Specification "Gelfoam Sterile Sponge, Sterile Powder, and Sterile Film," (November 1996): pgs. 1 - 23.   |       |          |             |
|   |            |      |   |       |          |             |
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|---------------------|------------|-----------|---------------------|-------|----------|-------------|
|                     | 581,235    | Apr. 1897 | Kenyon              |       |          |             |
|                     | 2,465,357  | Mar. 1949 | Correll             |       |          |             |
|                     | 2,492,458  | Dec. 1949 | Bering, Jr.         |       |          |             |
|                     | 2,507,244  | May 1950  | Correll             |       |          |             |
|                     | 2,558,395  | Jun. 1951 | Studer              |       |          |             |
|                     | 2,597,011  | May 1952  | MacMasters, et al.  |       |          |             |
|                     | 2,824,092  | Feb. 1959 | Thompson            |       |          |             |
|                     | 2,899,362  | Aug. 1959 | Sieger, Jr., et al. |       |          |             |
|                     | 3,157,524  | Nov. 1964 | Artandi             |       |          |             |
|                     | 4,515,637  | May 1985  | Cioca               |       |          |             |
|                     | 4,587,969  | May 1986  | Gillis              |       |          |             |
|                     | 4,588,395  | May 1986  | Lemelson            |       |          |             |
|                     | 4,619,261  | Oct. 1986 | Guerriero           |       |          |             |
|                     | 4,619,913  | Oct. 1986 | Luck, et al.        |       |          |             |
|                     | 4,829,994  | May 1989  | Kurth               |       |          |             |
|                     | 4,850,960  | Jul. 1989 | Grayzel             |       |          |             |

## FOREIGN PATENT DOCUMENTS

| EXAMINER'S INITIALS | PATENT NO.  | DATE      | COUNTRY        | CLASS | SUBCLASS | Translation |    |
|---------------------|-------------|-----------|----------------|-------|----------|-------------|----|
|                     |             |           |                |       |          | Yes         | No |
|                     | WO 96/08208 | Mar. 1996 | PCT            |       |          |             |    |
|                     | WO 98/06346 | Feb. 1998 | PCT            |       |          |             |    |
|                     | 1 509 023   | Apr. 1978 | United Kingdom |       |          |             |    |
|                     |             |           |                |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|                 |  |
|-----------------|--|
|                 | Pharmacia & Upjohn Manufacturer Brochure, "Gelfoam Sterile Powder," Mar. 1996. |
|                 | Pharmacia & Upjohn Manufacturer Brochure for Gelfoam, Sep. 1996.               |
| EXAMINER        |  |
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| EXAMINER'S<br>INITIALS | PATENT NO. | DATE      | NAME               | CLASS | SUBCLASS | FILING DATE |
|------------------------|------------|-----------|--------------------|-------|----------|-------------|
| WZ                     | 4,929,246  | May 1990  | Sinofsky           |       |          |             |
|                        | 5,007,895  | Apr. 1991 | Burnett            |       |          |             |
|                        | 5,310,407  | May 1994  | Casale             |       |          |             |
|                        | 5,336,480  | Nov. 1994 | Corriveau, et al.  |       |          |             |
|                        | 5,383,896  | Jan. 1995 | Gershony, et al.   |       |          |             |
|                        | 5,431,639  | Jul. 1995 | Shaw               |       |          |             |
|                        | 5,437,631  | Aug. 1995 | Janzen             |       |          |             |
|                        | 5,526,822  | Jun. 1996 | Burbank, et al.    |       |          |             |
|                        | 5,529,577  | Jun. 1996 | Hammerslag         |       |          |             |
|                        | 5,545,178  | Aug. 1996 | Kensey, et al.     |       |          |             |
|                        | 5,558,853  | Sep. 1996 | Quay               |       |          |             |
|                        | 5,591,204  | Jan. 1997 | Janzen, et al.     |       |          |             |
|                        | 5,645,566  | Jul. 1997 | Brennenman, et al. |       |          |             |
|                        | 5,653,730  | Aug. 1997 | Hammerslag         |       |          |             |
|                        | 5,665,107  | Sep. 1997 | Hammerslag         |       |          |             |
|                        | 5,741,223  | Apr. 1998 | Janzen, et al.     |       |          |             |
|                        | 5,810,806  | Sep. 1998 | Ritchart, et al.   |       |          |             |
|                        | 5,830,130  | Nov. 1998 | Janzen, et al.     |       |          |             |
|                        |            |           |                    |       |          |             |

## FOREIGN PATENT DOCUMENTS

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|------------------------|------------|------|---------|-------|----------|-------------|----|
|                        |            |      |         |       |          | Yes         | No |
|                        |            |      |         |       |          |             |    |
|                        |            |      |         |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|          |              |                 |         |
|----------|--------------|-----------------|---------|
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|------------------------|------------|---------|----------------|-------|----------|-------------|
|                        | 4,619,913  | 10/1996 | Luck, et al.   |       |          |             |
|                        | 5,370,656  | 12/1994 | Shevel         |       |          |             |
|                        | 5,775,333  | 7/1998  | Burbank et al. |       |          |             |
|                        | 5,800,389  | 10/1999 | Burney et al.  |       |          |             |
|                        | 6,161,034  | 12/2000 | Burbank et al. |       |          |             |
|                        | 4,708,718  | 11/1987 | Daniels        |       |          |             |
|                        | 5,242,683  | 9/1993  | Klaveness      |       |          |             |
|                        | 5,322,515  | 6/1994  | Karas, et al.  |       |          |             |
|                        | 5,385,550  | 1/1995  | Su, et al.     |       |          |             |
|                        | 5,858,008  | 1/1999  | Capaccio       |       |          |             |
|                        | 6,027,471  | 2/2000  | Fallon, et al. |       |          |             |
|                        | 6,027,482  | 2/2000  | Imbert         |       |          |             |
|                        | 6,071,301  | 6/2000  | Cragg, et al.  |       |          |             |
|                        | 6,086,607  | 7/2000  | Cragg, et al.  |       |          |             |
|                        | 6,183,497  | 2/2001  | Sing, et al.   |       |          |             |

## FOREIGN PATENT DOCUMENTS

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|------------------------|------------|---------|---------|-------|----------|-------------|----|
|                        |            |         |         |       |          | Yes         | No |
|                        | 99/66834   | 12/1999 | PCT     |       |          |             |    |
|                        | 782814     | 11/1980 | Russia  |       |          |             |    |
|                        | 1088709A   | 4/84    | Russia  |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |   |
|--|---|
|  | Fandrich, Christian, et al., "Small Gauge Gelfoam Plug Liver Biopsy in High Risk Patients: Safety and Diagnostic Value", <i>Australasian Radiology</i> , Vol. 40, pgs. 230-234 (1996) |
|  | Di Seni, Riccardo, et al., "Part 1. Embolotherapy: Agents, Equipment, and Techniques", <i>Vascular Embolotherapy</i> , Vol. 4, pgs. 29 & 33.  |
|  | S.A. Riley, et al., "Percutaneous Transhepatic Liver Biopsy with Tract Embolization", <i>Radiology</i> , Vol. 198 (1996): pgs. 769-774.   |

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